

AMENDMENT UNDER 37 C.F.R. § 1.111

U.S. Appln. No. 09/722,306

Attorney Docket Q61090

AMENDMENTS TO THE SPECIFICATION

Please delete the present Abstract of the Disclosure and replace it with the following new Abstract of the Disclosure.

A ladder circuit editing system inputs and edits a sequence program for a program controller in the form of a ladder diagram. The ladder circuit editing system has an unavailable area storing at least one inputted circuit pattern and an available area storing a new circuit pattern, and successively inputs circuit patterns from the available area. The ladder circuit editing system includes a circuit pattern extracting means, a display means, and a copying means. The circuit pattern extracting means compares a circuit element from a circuit pattern stored in the available area with a circuit element from a circuit pattern already stored in the unavailable area, and extracts a circuit pattern containing a circuit element that agrees with a stored one. The display means displays the extracted circuit pattern on an input screen. The copying means copies the extracted circuit pattern into the available area according to an operator's entry.